

Title (en)
Abrasive product

Title (de)
Schleifmittel

Title (fr)
Produit abrasif

Publication
EP 0583916 B1 19960207 (EN)

Application
EP 93306155 A 19930804

Priority
ZA 925865 A 19920805

Abstract (en)
[origin: EP0583916A1] A method of producing an abrasive product comprises the steps of providing a mixture of diamond and discrete carbide particles, the diamond particles being smaller than the carbide particles and present in the mixture in an amount of more than 50 percent by volume, and subjecting the mixture to diamond synthesis conditions in the presence of a binder metal such as cobalt, nickel or iron. The abrasive product thus produced has a substantial amount of direct diamond-to-diamond bonding and many of the characteristics of a diamond compact, but improved impact resistance due to the presence of the carbide particles. The abrasive product has particular application in the machining of wood products such as natural wood, chipboard, fibreboard and hardboard.

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B24D 3/08; **B23B 27/20**

IPC 8 full level
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CPC (source: EP KR US)
B23D 61/04 (2013.01 - EP US); **B24D 3/00** (2013.01 - KR); **B24D 3/08** (2013.01 - EP US); **B27B 5/222** (2013.01 - EP US); **C22C 26/00** (2013.01 - EP US)

Cited by
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